

Section of Devonian rocks made in the Catskill Mountain at Palenville; Kauterskill Creek, New York, by MR. ANDREW SHERWOOD, for PROFESSOR JAMES HALL, IN 1874.

(Read before the American Philosophical Society, March 15, 1878.)

Feet.	ROUND TOP OF THE CATSKILL MOUNTAIN.
440	SS. coarse, <i>gray sandstone</i> . (Specimen No. 152.)
48	Concealed. (151.)
16	SS. coarse, gray. (150.)
130	Concealed. (149.)
32	SS. coarse, gray. (148.)
53	Concealed. (147.)
200	SS. coarse, gray, with many pebbles scattered through it. (146.)
27	Shaly rock, Red. (145.)
37	Concealed. (144.)
23	SS. coarse, gray; scattered pebbles. (143.)
340	Concealed. (142.)
19	SS. coarse, gray. (141.)
20	Concealed. (140.)
50	Shaly rock, Red. (139.)
15	Concealed. (138.)
33	SS. coarse, gray. (137.)
14	Shaly rock, Red. (136.)
35	SS. coarse, gray. (135.)
2	Shaly rock, Red (134.)
5	SS. coarse, gray. (133.)
50	Concealed. (132.)
16	Conglomerate, coarse. (131.)
10	SS. reddish. (130.)
11	Shaly rock, Red. (129.)
63	SS. coarse, gray. (128.)
152	Conglomerate, coarse. (127.)
47	Shaly rock, Red. (126.)
88	SS. coarse, gray; pebbles. (125.)
37	Shaly rock, Red. (124.)
38	SS. coarse, gray; scattered pebbles. (123.)
480	Concealed. (122.)
29	SS. coarse, gray. (121.)
219	Concealed. (120.)
15	SS. coarse, dark gray. (119.)
22	Shaly rock, Red. (118.)
60	Concealed. (117.)
12	SS. coarse, dark gray. (116.)
140	Concealed. (115.)
40	SS. gray (Reddish towards the top). (114.)
103	SS. red and gray; beds of Red shaly rock. (113.)
103	Shaly rock, Red. (112.)
8	SS. gray. Fish-bone bed 1 ft. near the bottom of the 103 ft. (111.)
4	Shale greenish and dark blue. (some Fish-bones.) (110.)
20	SS. gray. (109.)
68	Shaly rock, Red. (108.)
$\frac{1}{2}$	FISH-BONE bed, 6 to 8 in. (107.)
$1\frac{1}{2}$	Shaly rock, Red, mottled with green. (106.)
$\frac{3}{4}$	FISH-BONE bed, 6 to 12 in. (105.)
2	Shaly rock, greenish. (104.)
6	SS. bluish-gray. (103.)

7	Shaly rock, Red, somewhat mottled green. (102.)
6	Shaly rock, greenish. (101.)
9	SS. bluish-gray. (100.)
3	Shale, greenish-gray. (99.)
3	Shaly rock, lubby, variegated, considerable per centage of peroxide of Iron. (98.)
47	SS. bluish-gray. (97.)
6	Shales, Red and green. (96.)
10	Shaly rock, gray and greenish. (95.)
6	Shaly rock, Red and green. (94.)
	SS. bluish and gray; of great thickness at the village of Palenville.—Continued downwards in the following

Section along Schoharie Creek in Schoharie County, N. Y., between Gilboa and Middleburg, from the Catskill down to the Upper Helderberg, by Andrew and Clark Sharswood. Report to James Hall in the year 1873.

12	Red shaly rock. (This is supposed to be the same bed No. 94 which bottoms the Catskill Section of 1874.) Top of Manorkill Cataracts at Sawmill. (94.)
15	Bluish-gray SS. (93.)
10	Gray shaly rock. (92.)
14	Gray SS. (91.)
2	Gray shale. (90.)
15	Gray shale SS. (89.)
12	Red shaly rock, with green bands. (88.)
17	Thick bedded gray SS. (87.)
20	Thin bedded gray SS. (86.)
9	Thin bedded gray SS., with <i>plants</i> . (85.)
20	Hard (false bedded some of it) gray SS. (84.)
54	Gray SS. (83.)
30	Unknown to foot of Cataracts. (82.)
25	Gray SS. (81.)
2	Dark sandy shale. (80.)
8	Gray SS. (at Gilboa) <i>stumps, leaves, stems</i> . (79.)
6	Dark shale. (78.)
10	Gray SS. (77.)
14	Gray and bluish shale and shaly rock. (76.)
4	Red and green mottled shale. (75.)
2	Reddish hard SS. (74.)
40	Gray SS. (the top makes the Gilboa falls.) (73.)
40	Gray SS. (72.)
?	Unknown. (71.)
40	Hard gray SS. (with sharp S. W. dip.) (70.)
25	Unknown. (69.)
20	Gray SS. (68.)
50	Unknown. (67.)
10	Coarse flaky gray SS. (makes top of Little Manorkill fall.) (66.)
36	Unknown. (65.)
22	Gray SS. (64.)
27	Gray shaly rock, <i>fossils</i> in upper part. (63.)
17	Gray shaly SS.; top is Cong., <i>some fossils</i> . (621)
60	Unknown. (61.)
16	Gray flaky SS., <i>fossil plants</i> . (60.)
24	Gray slate and SS. (59.)
9	Gray SS. (58.)
10	Unknown. (57.)